NATIONAL REPORT OF POLAND

Executive summary

This report summarizes activities of the Hydrographic Office/Service in the field of hydrography since the previous Baltic Sea Hydrographic Commission 18th Conference in 2013.

1. Hydrographic Office / Service

AS In the IHO Yearbook

2. Hydrographic surveys

Between 01 September 2013 and 09 May 2014, in Polish waters, hydrographic surveys were carried out as follows:

271 km² - HELCOM routes, Southern Baltic
914 km² - coastal routes
26,8 km² - inland waters
18,2 km² - harbour areas

All surveys comply with the IHO S-44 Standards Special, 1a and 1b.

New Hydrographic Survey Boats in Poland

In October 2013, Hydrographic Service of the Polish Navy called for tenders for a construction and delivery of four hydrographic survey boats, designed to survey inshore and pilot waters within the Polish Maritime Areas. As a result, the Polish-Irish consortium of two companies - the Polish ESCORT Ltd. and the Irish Safehaven Marine - won the tendering process.

First of the acquired boats was delivered to Poland in May 2014. Recently, acceptance tests have been completed and she is waiting to be commissioned soon. The contract provides that the next boat should be delivered in August 2014, followed by the batch of two in April 2015.

Utilising symmetrical planning hull design (twin-hull design), each of the boats will be equipped with the same set of survey systems and gauging instruments comprising MRU, DGPS/GPS RTK, MBES, SSS, VDS, magnetometer, and ROV. Detailed information will be given at the BSHC 19 (Agenda item B9).

3. New Charts & Updates

ENCs:

Polish waters are completely covered with all relevant navigational bands. Total: 55 cells in navigational purpose bands 2 – 5 (Band 2 – 1 cells, Band 3 – 15 cells, Band 4 – 13 cells, Band 5 – 26 cells).

ENCs are updated in real time.

In the year 2013 - 10 new editions and 376 updates have been released.

In the year 2014 (till 08 May) - 5 new editions and 145 updates have been released.

Status of eliminating overlaps.

Status of overlaps is permanently checked. Currently we have minor overlaps less than 5m on border between Germany and Denmark . With Russia the overlaps are bit major, in same area between 5m to 100 m but the area are little important for navigation.

Status of CATZOC.

Values A1, A2, B and C of CATZOC are encoded in our ENCs. A1 and A2 is used in areas when we have survey data captured modern survey techniques (multi-beam echo sounders).
In general to B we qualified areas where the data had been captured with single beam echo sounders and are good quality. To C we qualified the rest of our see areas. Based on coming to Office better quality survey data the CATZOC coverage is permanently updated.

ENC Distribution method

Distribution Agreement with Norwegian Hydrographic Service (PRIMAR).

RNCs

Not produced

INT Charts

2013 September – 2014 May:

INT1021 (500) Bałtyk – część południowa
INT1218 (251) Bałtyk. Wybrzeże południowe – część wschodnia
INT1219 (252) Bałtyk. Wybrzeże południowe – część zachodnia
INT1296 (75) Bałtyk. Zalew Szczeciński
INT1297 (47) Bałtyk. Zalew Szczeciński – część północna
INT1298 (48) Bałtyk. Zalew Szczeciński – część południowa
INT1299 (15) Bałtyk. Zatoka Pomorska.

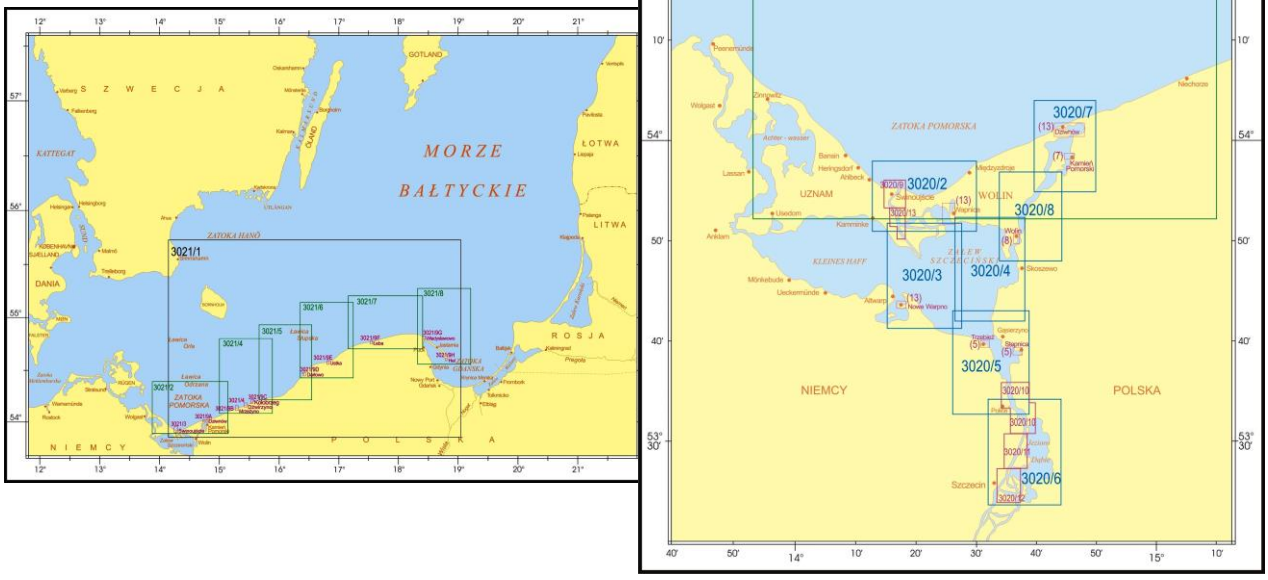
A. Plan portu Świnoujście
B. Plan portu Szczecin

National Paper Charts

2013 September – 2014 May:

55 Bałtyk. Wybrzeże południowe. Od Jarosławca do Ustki *(New Chart)*

Other Charts, e.g. for pleasure craft



2014: Small craft charts – A joint project of the Polish HOPN and German BSH:

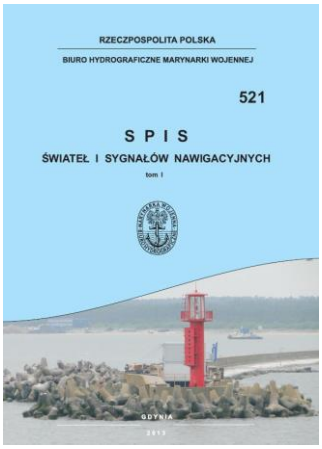
3020 Zatoka Pomorska, Zalew Szczeciński
3021 Od Zatoki Pomorskiej do Mierzei Helskiej

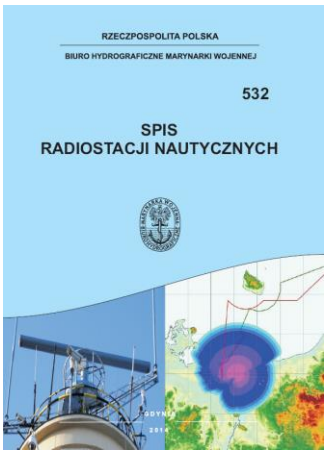
Problems encountered: NONE

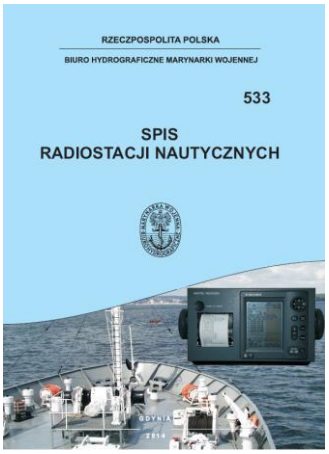
4. New publications & Updates

Updates:
2013 & 2014:

521 - List of Lights, Vol 1, Ed. 2013
532 - List of Radio Signals, Ed. 2014 (status: printing)
533 - List of Radio Signals, Ed. 2014 (status: printing)
522 - List of Lights, Vol 1, Ed. 2014 (June)







5. MSI

Existing Infrastructure for Transmission

Since HOPN plays the role of the National Hydrographic Service, it is also a part of the general Polish Maritime Administration and operates as the National Coordinator of Navigational Warnings in the Polish Area of Responsibility. NAVTEX Service covers Polish waters, with messages being transmitted by the Witowo-Radio. In total, in 2013, **257** Navigational Warnings were promulgated by HOPN as Coastal and Subarea NavWarns. In 2014, until 09 May, HOPN promulgated **74** NavWarn.

6. S-55

Latest update 8 SEPTEMBER 2013

7. Capacity Building

A concept of the National System of Marine Geospatial Information is envisaged to be developed during next few years. (continuation)

8. Oceanographic activities

The Maritime Branch of the Institute of Meteorology and Water Management – National Research Institute in Gdynia is the organization responsible for oceanographic services in Poland. It provides daily forecasts of water temperature, salinity, currents, sea level, and ice for the Southern Baltic are based on the HIROMB model as well as local models for the Gulf of Gdansk and Vistula Lagoon and Pomeranian Bay. All forecasts are available in the internet.

GEBCO/IBC's activities:

Tide gauges network of MB of IMWM-NRI in Gdynia - automated stations measuring water level along Polish coast of the Southern Baltic Sea.

Ferry-Box system of MB of IMWM-NRI in Gdynia installed onboard of the ferry of Stena Line Company, plying the Gdynia and Karlskrona route. The system measures water temperature, salinity, oxygen, fluorescence, and can collect samples of water for further analysis under way.

Problems encountered: NONE

9. Other activities

Participation in IHO Working Groups

BSHC and working groups established within the Commission (Monitoring Group, Group for the Seawater Level, BSICCWG,)
PRIMAR Advisory Committee (PAC)
PRIMAR Technical Experts Working Group
IC-ENC & PRIMAR Joint Technical Experts Working Group
IMO – NAV Subcommittee

Meteorological data collection – The Maritime Branch of the Institute of Meteorology and Water Management – National Research Institute in Gdynia is the organization responsible for weather forecast covering five areas of the Baltic Sea: western, southern, southeastern, central, and northern. The Institute maintains a network of weather stations along the Polish coast and collects data captured during meteorological measurements taken by commercial and research vessels.

Environmental protection – The Maritime Branch of the Institute of Meteorology and Water Management – National Research Institute in Gdynia is the organization responsible for the environmental monitoring within Polish Exclusive Economic Zone of the Baltic Sea in accordance with program HELCOM Combine.

Astronomical observations – NONE

Magnetic/Gravity surveys – NONE